

Max's Symmetry Safari

Learning objective: To identify and draw lines of symmetry in 2D shapes and patterns.

Max the monkey is exploring shapes! Look at each shape or pattern. Decide if it is symmetrical. Use the word bank to help you answer the questions. Ask for help if you need it.

Answer Key: 1. B, 2. True, 3. Line, 4. B, 5. False, 6. Symmetrical, 7. A, 8. True, 9. Symmetrical, 10. B.

Word bank: Symmetry · Line · Symmetrical · Shape · Mirror

1. 1. Max sees a square. How many lines of symmetry does it have? A: 2, B: 4*, C: 1, D: 0 (1 mark)

2. 2. True or False: If you fold a shape in half and the sides match, it is symmetrical. (1 mark)

3. 3. What is the name of the line that cuts a shape into two identical halves? (Hint: starts with L) (1 mark)

4. 4. Which shape has exactly one line of symmetry? A: Circle, B: Isosceles Triangle*, C: Square, D: Rectangle (1 mark)

5. 5. True or False: A shape that is not the same on both sides is called symmetrical. (1 mark)

6. 6. Fill in the blank: A butterfly wing pattern is usually _____. (1 mark)

7. 7. Which of these letters has a line of symmetry? A: A*, B: F, C: G, D: J (1 mark)

8. 8. True or False: A circle has infinite lines of symmetry. (1 mark)

9. 9. Max draws a heart. Is it symmetrical or not symmetrical? (1 mark)

10. 10. Which shape has no lines of symmetry? A: Rectangle, B: Scalene Triangle*, C: Square, D: Rhombus (1 mark)

Draw: Draw a simple butterfly. Use a ruler to draw a straight line of symmetry down the middle of its body.



Extension challenge: Max has £5.00. He buys a symmetrical sticker for £1.50. How much money does Max have left? Show your working out.